

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB 03/05016

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/28 E21B49/10

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N E21B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 476 384 B1 (OKUDA IKKO ET AL) 5 November 2002 (2002-11-05) column 10, line 5 - line 43 column 6, line 23 - line 54; figure 12 claims 18,20,22	1-7
X	US 2002/108910 A1 (LYON IRVING) 15 August 2002 (2002-08-15) paragraphs '0051!-'0053!,'0057!,'0065!-'0067!; figure 1	1-7
X	US 6 268 911 B1 (TUBEL PAULO ET AL) 31 July 2001 (2001-07-31) column 12, line 8 -column 15, line 49; figures 5-8	1-7

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

*** Special categories of cited documents:**

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

1 April 2004

Date of mailing of the international search report

13/04/2004

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 6 343 507 B1 (BUTSCH ROBERT J ET AL) 5 February 2002 (2002-02-05) column 6, line 44 -column 9, line 16; figures 6,7	1-7
A	MORRIS C W ET AL: "Using optical fluid analysis to evaluate downhole fluid sample contamination" SPE SOCIETY OF PETROLEUM ENGINEERS INC., no. 50603, 20 October 1998 (1998-10-20), pages 283-295, XP002251115 page 284, column 2, line 22 -page 285, column 1, line 33; figure 1	1-7
A	US 5 128 882 A (COOPER STAFFORD S ET AL) 7 July 1992 (1992-07-07) column 4, line 14 - line 59	1-7
P,A	AMMANN A A ET AL: "Ground water pollution by roof runoff infiltration evidenced with multi-tracer experiments" WATER RESEARCH, ELSEVIER SCIENCE PUBLISHERS, AMSTERDAM, NL, vol. 37, no. 5, March 2003 (2003-03), pages 1143-1153, XP004404138 ISSN: 0043-1354 paragraph '0005!	1-7

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 8

Claim 8 does not fulfil the requirements of Rule 6.2a) PCT.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

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Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 8
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this International application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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